

Client's Ref.:
File: 7084-A21007PCTUS/Chiumeow/Kevin revised/f1

ABSTRACT OF THE DISCLOSURE

A prophy chip comprising a hollow cup-shaped core of canopy (semispherical), cylindrical, cupped, conical, inverted conical, or disk profile, covered with a hydrophilic grindstone sponge containing a polishing agent, the hydrophilic grindstone sponge side edge either being press fixed by being folded into the interior of the core by a shank-equipped latch plate or contoured for gripping, a shaft fixed to avoid vibration around the latch plate bottom 5 surface rotation axis during rotation, thereby providing a 10 surface rotation axis during rotation, thereby providing a cleaning, polishing, and burnishing prophy chip which maintains polishing efficiency without involving transverse oscillations in polishing barrel-shaped tooth clearances or adjacent surfaces and without requiring a polishing gel or 15 paste due to improved dissipation of heat generated by friction.